

THE GEORGE WASHINGTON UNIVERSITY
Washington, D.C.

MINUTES OF THE REGULAR MEETING
OF THE FACULTY SENATE HELD ON
FEBRUARY 8, 2002, IN THE ALUMNI HOUSE

The meeting was called to order by Vice President Lehman at 3:15 p.m.

Present: Vice President Lehman, Registrar Geyer, Parliamentarian Pagel; Deans Futrell, Phillips, and Tong; Professors Divita, Glascock, Griffith, Gupta, Haque, Harrington, Hoare, Johnston, Maggs, McAleavey, Mergen, Robinson, Thornton, Wilmarth, Yezer, and Zaghoul

Absent: President Trachtenberg; Deans Folkerts, Harding, Southby, Williams and Young; Professors Castleberry, Cawley, Duff, Gallo, Kennedy, Miller, Nagy, Pelzman, Simon, and West

APPROVAL OF THE MINUTES

The Minutes of the regular Faculty Senate meeting held on January 18, 2002, were approved as distributed.

CHANGE IN THE ORDER OF THE AGENDA

Professor Robinson moved that the order of the Senate's agenda be changed in order to consider the Report on the School of Engineering and Applied Science as the next item of business. The motion was seconded, and passed.

REPORT ON THE SCHOOL OF ENGINEERING & APPLIED SCIENCE

Dean Timothy W. Tong began his presentation by observing that this was his fourth semester at GW and that he was finding his work at the University most enjoyable. During his first year at GW, Dean Tong said that he had met with every faculty member in the Engineering School so that he could learn as much as possible about the School, what faculty interests were, and what faculty wanted to accomplish. Turning to his slide presentation, Dean Tong told the Senate that the School has begun to develop plans for the future, and that it has a vision. First and foremost, he said, the School wants to offer engineering curricula that are relevant to the current interests of the world, and this involves working with all of the many stakeholders in the School to constantly review curricula and make sure the School is serving current interests. SEAS is also committed to continued improvements in its reputation, so that it will become known as the place to come to obtain ideas and knowledge for the support of technological advancement. Thirdly, he said, SEAS will continue to embrace partnerships, both internal and external, including a number of collaborations with the GW Medical School and the Business School. The Federal Aviation Administration, he added, has just awarded the School a major grant of \$3 million a year for the next 3 years for work in the area of airport security. This proposal, he said, was funded

prior to the events of September 11th, so it shows that GW is positioned on the cutting edge of developments in this area.

Dean Tong continued, saying that SEAS was restructured just prior to his arrival at the University. The School now consists of five departments, and Dean Tong reviewed these along with the undergraduate and graduate degrees and programs associated with each. While many of the programs offered by SEAS are very typical of engineering schools at other universities, he said that one department that is not is the Department of Engineering Management and Systems Engineering. This makes sense for GW, he added, because many of the students in this department are working professionals pursuing an advanced degree in order to further their careers.

Dean Tong noted that although SEAS is a small School, the enrollment is strong, healthy, and growing. For example, he said, the freshman class increased 40% compared to the previous year, and that is due to hard work by faculty, alumni, and present students in recruiting activities, as well as the restructuring of a number of scholarships offered to better serve the needs of students enrolling in the School.

In terms of interdisciplinary programs, SEAS currently operates two joint programs with two other schools. There are currently 25 students enrolled in the Engineering and Law program, and there are 8 students in the Engineering and Medicine program. A new Bachelor of Science program has just been approved by the Board of Trustees at its February meeting, he added, and recruitment is poised to begin for that program right away.

Dean Tong then took a few moments to discuss student accomplishments, which he said were a particular source of pride for the School. Quite a number of student projects, both at the undergraduate and graduate levels, involve competitions against other engineering schools. The Senate might recall, he said, a solar car project a few years ago, in which students won the world championship in the competition. Recently, students converted a full-size Sport Utility Vehicle donated by the General Motors corporation from gasoline to hybrid gasoline/electrical power. Last year the students made the vehicle fully operational and took it to Detroit to compete against other universities.

Under the guidance of Professor Haque, a member of the Senate and faculty adviser to the project, students have also built a bridge which won first place in last year's regional contest, and thus went on to compete in the national competition. The model bridge, he added, is on view in Tompkins Hall.

SEAS also has established a number of International Programs, one of which is an active partnership with Bogazici University in Turkey which has just graduated its first class in the area of telecommunications and computers. Students in this program take half of

their coursework in Turkey, and come to GW to finish the second half. Dean Tong also said that he had just returned from Taiwan, where a program to offer a Master's degree to 30 Taiwanese Air Force Officers has been established. GW successfully competed against Texas A & M University to establish this program, which will enable the students to come to Washington fifteen months from now for their graduation.

Dean Tong also reported that discussions are underway with the National Vietnam University to set up a program where undergraduate students can come to GW and complete the last two years of their program and earn a GW degree. In addition, with the People's Republic of China's entry into the World Trade Organization, there is a need in that country to provide better educational opportunities, and GW is exploring the possibility of offering programs there.

Of particular relevance to current needs is the issue of computer security, and Dean Tong reported that SEAS has just started a graduate-level certificate program comprised of six courses in this area. Students who obtain this certificate will be able to transfer all of the credits obtained in this program to a Master's degree if they wish. Also, he continued, the Department of Electrical and Computer Engineering (ECE) has a long history of offering advanced or accelerated Master's Degree programs in Telecommunications and Computers. Professor Harrington, a Senate member, is the Director of this program at the Virginia Campus, and this year will mark the eleventh cohort of that program.

In terms of Research, SEAS has established a partnership with America Online, deemed the "GW-AOL partnership, Home of the 21st Century." Professor Zaghloul, a member of the Senate, is a Principal Investigator for this project, for which a laboratory at the Virginia campus has been built to simulate the home environment. Twenty-five students and eight professors are working on various projects and developing different ways to improve internet delivery of information. Within two to three years, Dean Tong said, he was confident that AOL subscribers will see technology that GW students and professors have helped to develop. Also of interest, he continued, is GW's well-known National Crash Analysis Center, which brings in close to \$2 million annually in research contracts and grants. Dean Tong added that SEAS has recently been notified that a gift of \$5 million from a major auto company has been pledged to support Transportation Safety research there. This is a significant gift, he added, since that makes SEAS one of three Schools at GW that has met or exceeded its Centuries Campaign goal.

Finally, Dean Tong briefed the Senate on the Engineering "shake table" which enables researchers to reproduce the motion of earthquakes and study their effects. This table, which measures three by three meters has six degrees of freedom, and is the best such device in the Eastern hemisphere. Another promising area of research is in the area of Biomedical Engineering. Dean Tong then demonstrated a portable ultrasound device based on the Doppler principle, which allows a probe to measure arterial blood flow. The device was developed by a GW professor, and can be used by doctors to determine how likely it is that a patient will suffer a stroke. While this sort of measurement can be made in

a hospital, he added, the portable machine is far less expensive, costing a few thousand dollars, as opposed to several hundred thousand for the hospital machines. Dean Tong said the first royalty check for the device has been delivered to GW, and that he was looking forward to receiving it. Dean Tong then thanked the Senate for its attention and entertained questions about his Report. (The Report is attached to these Minutes.)

Professor Gupta asked if the ultrasound device just demonstrated could be connected and information transmitted online. Dean Tong replied that as presently designed, it could not, but that Professor Qwo, who developed the machine, was working on two or three other projects in telemedicine that would have such capabilities.

Professor Wilmarth asked what the breakdown was between domestic and international students. Dean Tong said that at the undergraduate level, about 20% of the students were international students, and at the graduate level it was approximately 30%, so that overall the enrollment stood at approximately 70% domestic students, and 30% international students.

Professor Griffith noted that SEAS presently enrolls 495 undergraduate students, and he asked what the School's target population ultimately would be. Dean Tong responded that the goal for the School would be 700 undergraduate students, and the goal for next year's freshman class is 200 students. Professor Griffith then observed that the School presently enrolls approximately 900 Master's students, and 400 Doctoral students, and he asked if the School was at capacity in these areas. Dean Tong said that one of the School's goals was to grow research projects to \$20 million per year, and thus he expected the graduate program to grow accordingly.

Professor Mergen asked about the School's level of funding for graduate students, and Dean Tong responded that most of the Master's degree students are not funded, but that he would guess that at least one-third to one-half of the Doctoral students are funded, some with full support, and some with partial support.

RESOLUTIONS

I. RESOLUTION 01/5, "A RESOLUTION TO DISCONTINUE THE SENATE STANDING COMMITTEE ON ADMINISTRATIVE MATTERS AS THEY AFFECT THE FACULTY"

Professor Robinson introduced Resolution 01/5 by assuring the Senate that the decision to propose dissolution of this Senate Standing Committee had not been reached in haste, but rather, had been discussed over the past several years. While the Committee has done significant work in the past, she said, in recent years the number of people volunteering for service on Senate Committees has decreased, and last year three were no

volunteers for this particular Committee. Also, for the past two, and perhaps three, years this Committee had not submitted an annual report. She added that the Executive Committee had discussed the role of this Committee, and had come to the conclusion that its duties could be better accomplished by distributing them to other Senate Standing Committees. Professor Robinson then urged that the Senate adopt Resolution 01/5.

Professor Griffith spoke in support of the Resolution, saying that he agreed with the analysis of the Executive Committee that the Administrative Matters Committee had probably served out its time and should be disbanded. However, he added, he did not want the University administration to draw the inference that this meant there are no remaining administrative matters of concern to the Senate. Historically, he said, the Administrative Matters Committee had served an ombudsman function, and just because the Committee was slated for abolishment does not mean that the need for this has gone away, or that all problems in its area of expertise have been solved.

Professor Wilmarth also spoke in support of the Resolution, saying that he agreed with both Professors Robinson and Griffith. He added that he had served on the Executive Committee last year when this issue was under discussion, and he thought the proposal to abolish the Committee was a recognition of specialization within the academy. Professor Wilmarth also said it seemed to him that the issues formerly covered by Administrative Matters could better be addressed by several of the existing Standing Committees, and that its functions could be successfully distributed. Support for the Resolution, he said, did not mean that the Senate was in any way giving up part of its agenda or shrinking from its task, but it had acknowledged that specialization is a more efficient way to proceed.

Professor Mergen also said he agreed that consolidation would probably be in order, but that one part of the Administrative Matters Mission Statement concerned issues relating to part-time faculty and graduate student teaching and publishing, and he said he hoped this lost oversight would not be lost in the process. Professor Robinson advised the Senate that both issues are already under examination. Both the Professional Ethics & Academic Freedom and Appointment, Salary, and Promotion Policies Committees are looking at issues concerning part-time and non-tenure accruing faculty, and the graduate student issue is under examination both by the ASPP and Educational Policy Committees.

Professor Harrington asked for the Executive Committee's assurance that all of the functions previously discharged by the Administrative Matters Committee be assigned to other Senate Standing Committees. This might require, he added, that Mission Statements of the other Committees would need to be amended. Professor Robinson said she thought that a useful way to proceed would be for the Executive Committee to examine the Mission Statement of the Administrative Matters Committee, and then see what amendments to existing Standing Committee Mission Statements might need to be made. This is still a work in process, she said, and does require an examination of the other Standing Committee functions.

Following this discussion, the question was called. A vote was taken, and Resolution 01/5 passed unanimously. (The Resolution is attached.)

INTRODUCTION OF RESOLUTIONS

No resolutions were introduced.

GENERAL BUSINESS

I. NOMINATIONS TO SENATE STANDING COMMITTEES

The nomination for election of Professor Marilyn Liebrez-Himes to the Appointment, Salary, and Promotion Policies Committee was moved and seconded. The nomination was approved.

II. REPORT OF THE EXECUTIVE COMMITTEE

Professor Robinson presented the Report of the Executive Committee, which is enclosed.

III. INTERIM REPORTS OF SENATE STANDING COMMITTEES

Interim Reports were received from the following Committees: Admissions Policy, Student Financial Aid, and Enrollment Management, Athletics and Recreation, Educational Policy, Physical Facilities, Research, and the Joint Committee of Faculty and Students. (The Reports are attached.)

On behalf of the Committee on Professional Ethics and Academic Freedom, Professor Wilmarth reported that this Committee would meet the following Tuesday, and he said the Committee was drafting a Resolution to amend the Faculty Code to accommodate the College of Professional Studies. The proposed Resolution, he said, largely follows the lines of the Joint Task Force Report on the College, although he added that the College's Dean's Council fulfills a unique role, and the Resolution would address this as well.

On behalf of the Fiscal Planning and Budgeting Committee, Professor Griffith reported that the Committee is working on preparing a report to the Senate on the Five Year Fiscal Year 02 Capital and Operating Budgets, but work on this report had been delayed by the many personnel search activities going on in January. The Committee expects to present its report at the April meeting of the Senate.

In connection with the Physical Facilities Committee Interim Report and its concern with computer security at the University, Vice President Lehman recommended that Professor Divita and the Physical Facilities Committee collaborate with the Research and

Information Technology Committee on this issue. He added that David Swartz of the Information Systems and Services Office has been very concerned about it, and reported on it to the Board of Trustees. All universities, including GW, have experienced a rapidly growing number of attacks on their computer systems. Something like six to seven thousand attacks per month are now occurring at GW alone, and the issue is not trivial.

IV. BRIEF STATEMENTS (AND QUESTIONS)

Professor Griffith related that, in connection with the GW Board of Trustees' February meeting, he had called to inquire why he, as Chair of the Fiscal Planning and Budgeting Committee, had not been invited to the Trustees Development Committee meeting, as has been the custom. Professor Griffith reminded the Senate that for many years, four Committee Chairs of Standing Committees of the Senate have been designated faculty representatives to the Board and invited to Board meetings. These Committees are the Executive Committee, whose Chair is invited to attend the meeting of the Academic Affairs Committee, the Fiscal Planning and Budgeting Chair, who is invited to the Development Committee meeting, the Chair of the University & Urban Affairs Committee, who is invited to attend the External Affairs Committee meeting, and the Faculty Co-Chair of the Joint Committee of Faculty and Students, who is invited to attend the Student and Alumni Affairs Committee meeting.

Professor Griffith said that the response to his inquiry about attending the Development Committee meeting was that the Board had abolished this Committee. He added that he had reported this to the Executive Committee along with the suggestion that the Board be asked to create another seat on an appropriate Board Committee for a faculty member so that the faculty would not lose representation or visibility as a result of the abolishment of the Development Committee.

Professor Griffith also asked Vice President Lehman if he had any news to report following the Board's February meeting that would be of interest to the Senate. Vice President Lehman replied that he thought the most important thing he could report was that two new Bachelor's degrees had been approved by the Board, one in Biomedical Engineering, which Dean Tong alluded to, and the other in Biological Anthropology. Further, he said, the Academic Affairs Committee had charged him with the responsibility to report at the May meeting with a careful analysis of the number of degrees that are offered by the University. Vice President Lehman did report on the number of new and terminated degrees since he assumed office. He was able, he said, to give the Academic Affairs Committee a summary of what degrees have started and stopped over the past 5 ½ years. However, the Committee wants more detail about both the degrees and the viability of each program. He added that he thought this was a good development in that it would be desirable for the Committee to have an accurate picture of the University's academic programs.

Vice President Lehman also reported that another item of serious interest to the Board of Trustees is the Strategic Planning Initiative, and several more Board members have been added to each of the Committees. Vice Chair of the Board Patricia Gurne and Trustee Emilio Fernandez have been added to the Academic Excellence Committee, and Board Vice Chair Joseph Brand has been added to the Business and Service Committee. Trustees Michael Curzan and Alexia Morrison are already members of the Academic Excellence Committee. More Board members were added to the Academic Excellence than the Business and Service Committee, he said, because the latter already had more Board members on it than the former did. Mr. Michael Maccoby, the consultant who has met with both Committees on a regular basis, reported to the Board on the process the Initiative is using, and Vice President Lehman added that he thought the Board was satisfied. Vice President Lehman then reminded the Senate that the Board has asked to have the Initiative planning materials in hand by late April or early May, so that it would be fully informed and could have a thorough discussion at the May Board meeting.

In response to Professor Griffith's Brief Statement, Vice President Lehman said that he thought the Board of Trustees had made the Development Committee a subcommittee of the Centuries (Capital) Campaign Committee, rather than abolishing it altogether. This Committee is a very large one, he said, and there may be as many as 20 Trustees serving on it. It will be working very closely with the new Vice President for Advancement, Beverly Bonds. Professor Griffith suggested that the new Vice President be introduced at a future Senate meeting, and Vice President Lehman said he was sure she would be glad to do that.

ADJOURNMENT

There being no further business before the Senate, and upon motion made and seconded, Vice President Lehman adjourned the meeting at 4:15 p.m.



Dennis L. Geyer
Registrar

A RESOLUTION TO DISCONTINUE THE SENATE STANDING COMMITTEE ON
ADMINISTRATIVE MATTERS AS THEY AFFECT THE FACULTY (01/5)

WHEREAS, the University can best be served by an efficient and effective committee structure; and

WHEREAS, the Committee on Administrative Matters as They Affect the Faculty has been largely inactive during recent years and did not issue annual reports during the 1999-2000 session and the 2000-2001 session; and

WHEREAS, the various aspects of its mission can be fulfilled effectively by other standing committees of the Faculty Senate; NOW THEREFORE

BE IT RESOLVED BY THE FACULTY SENATE OF THE GEORGE
WASHINGTON UNIVERSITY

1. That the Standing Committee on Administrative Matters as They Affect the Faculty be discontinued; and
2. That the Faculty Organization Plan, Section 10, Standing Committees, of the Bylaws of the Faculty Senate, be amended to delete the name of this Committee from those listed in this Section.

Executive Committee of the Faculty Senate
February 8, 2002

Adopted February 8, 2002

An Urban Engineering School Serving Many Stakeholders while Striving for Academic Excellence

Timothy W. Tong, Ph.D.
Dean
School of Engineering and Applied Science

SEAS

Faculty Senate
February 8, 2002

SEAS

We have a vision:

- ◆ A school offering educational programs that are relevant to the current and future technological needs
- ◆ A school nationally and internationally recognized as a source of ideas and knowledge for the support of technological advancement
- ◆ A school embracing both internal and external partnerships in its educational and research endeavors

SEAS

Departments

- Civil and Environmental Engineering
- Computer Science
- Electrical and Computer Engineering
- Engineering Management and Systems Engineering
- Mechanical and Aerospace Engineering

SEAS

Undergraduate Degrees

- Bachelor of Science
 - Civil Engineering
 - Computer Science
 - Electrical Engineering
 - Mechanical Engineering
 - Systems Engineering
- Bachelor of Arts
 - Applied Science and Technology
 - Computer Science

SEAS

Graduate Degrees

- Master of Science
- Master of Engineering Management
- Professional degree
 - Engineer
 - Applied Scientist
- Doctor of Science

SEAS

Graduate Programs

- Civil and Environmental Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Engineering Management
- Mechanical Engineering
- Systems Engineering
- Telecommunications and Computers

SEAS**Enrollment Figures**

- ◆ Undergraduate students: 495
- ◆ Graduate students
 - Master's: 879
 - Certificates: 253
 - D.Sc.: 363

SEAS**Interdisciplinary Programs**

- Engineering and Law – ELP (25)
Bachelor of Science and Juris Doctor
- Engineering and Medicine – EMP (8)
Bachelor of Science and Doctor of Medicine
- Biomedical Engineering - new program!

SEAS**Recent Student Accomplishments**

- ◆ A graduate from last year, Sergio Yanes, has been awarded a Fulbright Fellowship to study in Mexico.
- ◆ In a competition sponsored by the Association for Computing Machinery, a GW student team won first place in the local competition and second place in the eastern region of the country.
- ◆ Our Future Truck Team successfully converted a standard SUV to a hybrid (electric/gasoline) vehicle and operated it at a competition held in Detroit.
- ◆ A team from our student chapter of the Society of Hispanic Professional Engineers won first place in a design contest with their Greek Laser Beam entry.
- ◆ A student team from our Joint Institute for Advancement of Flight Sciences placed first in the Marsport National Design Competition sponsored by NASA.
- ◆ Our steel bridge team won first place in last year's regional contest and competed at the national competition.



Washington, D.C. (202) 994-5000

SEAS**International Programs**

- Bogazici University, Istanbul, Turkey
 - M.S. in Telecommunications and Computers
- National Vietnam University, Hanoi (under discussion)
 - Joint undergraduate program
 - Masters programs
 - Special short courses in information technology
- Republic of China Air Force Academy, Taiwan
 - M.S. in Engineering and Technology Management
- People's Republic of China
 - Potential partnerships under discussion

SEAS**Computer Security and Information Assurance Accelerated Certificate****Courses:**

- CSci 283 Introduction to Computer Security
 - CSci 285 Information Policy
 - CSci 383 Viruses, Worms and Network Security
 - CSci 385 E-Commerce Security
 - ◆ Geared towards busy professionals
 - Accelerated: 4 courses in 22 weeks (40 evenings, TuTh 4-9:30 p.m.)
 - Lectures, classwork, open discussion, lab time and dinner
 - ◆ Graduate level (Master's) credits
 - ◆ Seamless transfer to a full Master's degree program in computer science
 - ◆ State of the art computer security lab ("battle lab")
 - ◆ Prometheus distance collaboration software
 - ◆ Students work at same pace with cohort of 15-25 students
- www.seas.gwu.edu/Certificates/InfoSec.htm Phone: (703) 726-8266

SEAS**EMSE Off-Campus Graduate Programs: Certificates and M.S.**

- ◆ Crisis, Emergency, and Risk Management
 - Contingency planning, emergency response, disaster recovery, business continuity, organizational learning
- ◆ Information Security Management
 - Protecting the confidentiality, integrity, and availability of information created, stored, processed, and communicated in computer systems and networks
- ◆ Knowledge Management
 - Knowledge flow through organizations; managing technical organizations, information, knowledge engineering, decision support systems, modeling/simulation, and information security
- ◆ Systems Engineering
 - Design, analyze, and manage large-scale systems composed of hardware, software, and personnel subsystems

SEAS

The George Washington University

ECE Accelerated M.S. in Telecom and Computers

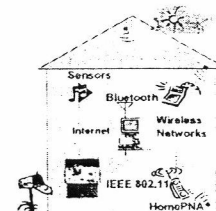
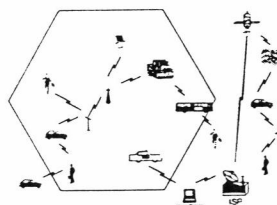
- 16 month Graduate Cohort Program, 36 credits
- Weekend, alternating Friday/Saturday format
- Focus on computer networking, T-com protocols, security issues, information management, telecommunications economics
- Can readily be applied to seek innovative solutions to the full range of T-com needs

SEAS

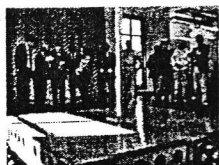
The George Washington University

IT / Telecom

Mobile Communications

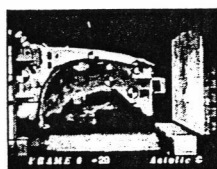
GW/AOL Partnership
Home of the 21st Century**SEAS**

The George Washington University

Transportation / Safety

3m x 3m shake table with 6 degrees of freedom

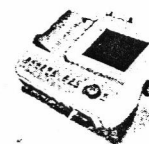
Automobile crash analysis and simulation

**SEAS**

The George Washington University

Biomedical Engineering

- Three-dimensional and Parametric Ultrasound Imaging for Breast Cancer Detection and Diagnosis
- Doppler Blood flow Signal Processing
- Three-dimensional Ultrasound angiograph for arterial stenoses quantification
- Internet-based Telemedicine Using Medical Virtual Instrument

**SEAS**

The George Washington University

Questions / Comments?

SEAS

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The George Washington University
Faculty Senate Committee on
Admissions Policy, Student Financial Aid, and Enrollment Management
Interim Report

Faculty Senate Committee on Admissions Policy, Student Financial Aid, and Enrollment Management has had two meeting this year (December 5, 2001 and February 7, 2002).


At our first meeting we heard from Ms. Kristin Williams (Graduate Student Enrollment Management) and Ms. Geri Rypkema (Fellowship and Graduate Student Support); at our second meeting we had presentations from Mr. Daniel Small (Student Financial Assistance) and Dr. Kathryn Napper (Undergraduate Admissions). These presentations have provided the committee valuable information about the current state of affairs at the university. Some of this information is summarized below:

1. Graduate applications for spring are still coming in, but appear to be below last year's numbers. However, an increasing number of applicants are using the online form and are waiting until the last minute to apply, which makes prior year comparisons difficult.
2. The biggest thing that's happening in graduate admissions is technology. Almost 37% of all summer/fall 2001 applications for admission were submitted using the online application.
3. The number of local applicants for graduate admissions has been going down for the past few years, no doubt due to an increasingly competitive market. All local universities have stepped up their marketing efforts.
4. There are insufficient number of merit aid packages for graduate students, and the available packages themselves are not large enough. International students require larger awards; our regular awards are insufficient for them to get certification from International Services Office.
5. The university has provided \$500,000 in extra stipends for graduate students for the next year; \$250,000 extra is earmarked for Spring 2002. This money is generally meant for Ph.D. students. Our graduate awards are generally not very competitive with the market basket schools, though our biggest packages are very competitive.
6. Several types of loans are available to graduate students: Stafford loans (up to \$8,500) are need- based and accrue no interest until the student is out of college. It is possible to add Stafford loans (up to \$10,000) where the interest starts accruing immediately.
7. Work study opportunities are also available to graduate students– this fact is not widely known to faculty or students.
8. We need to hold the freshmen undergraduate admissions to 2,250 this year. The number of

applications is 12% ahead of last year (close to 17,000). We have already admitted 875 students on Early Decision basis. This leaves space for 1,375 new students for Fall 2002. We plan to send about 5,600 acceptances (hoping for 25% yield rate). The acceptance rate will probably be about 46%. There will be a larger waiting list to help reach the target numbers and not exceed the cap imposed on the university.

9. About 60% of all undergraduates receive some kind of financial aid at the university. The undergraduate aid budget has been increasing substantially in recent years and is expected to increase further this year. Financial aid office reserves about 2/3 of its budget for continuing students; some money is set aside for special situations. Less than \$2 million of endowment money is used this year for undergraduate financial assistance.
10. Financial aid office would like to hear about the new program (particularly new graduate programs) as they are being proposed. This would allow them to provide timely information on eligibility for Federal loans and grants to potential students and program administrators.

A detailed report of this committee would be made available at a later date.



Murli M. Gupta, *Chair*

*Faculty Senate Committee on Admissions Policy,
Student Financial Aid, and Enrollment Management*

February 8, 2002

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Athletics & Recreation Committee, Faculty Senate, George Washington University

Interim Report, February 8, 2002

The Committee has met twice since the beginning of the academic year. On Friday, August 31, 2001, members of the Committee met at the new Health & Wellness Center and toured the facilities. The Chair was unable to attend this meeting and no minutes were kept.

At the meeting of November 30, 2001 a report on the Health & Wellness Center was made by Mary Jo Warner, Senior Associate Director of Athletics and Recreation, who noted that as of this date, 508 faculty and staff had joined the Center. Ms. Warner discussed administration efforts to revise the agreement with the neighborhood association to allow the facility to open before 8:00 a.m. and close after 10:00 p.m. Studies are being made of equipment use. The number of exercise classes has been increased to more than 50.

Aubre Jones, Director of Recreational Sports & Fitness Services, reported on the contribution of the Center is making to intramural sports, allowing more sports to complete their seasons in less time. The Smith Center remains available for some intramural sports, but the problem of space to play club field sports remains.

Jack Kvancz, Director of Athletics and Recreation, addressed the potential of the Mt. Vernon campus to provide space for some field sports when the facilities are opened. He also commented on the financial problems of schools playing basketball in the A-10 that do not have big-time football teams. Schools with television and tournament revenues are reluctant to share them with schools that do not have these revenues.

The Committee expressed concern over the impasse with the Foggy Bottom neighborhood association and directed the Chair to contact the General Counsel's Office to explore ways in which the Committee might assist in negotiations with the ANC.

The Chair contacted Mr. Charles Barber who is currently negotiating with the ANC. He will report to the Committee after meetings with the neighborhood group later this month. He said that there is some support among residents for extending the hours to midnight or 1:00 a.m.

In the last meeting of 2000-01, the Committee approved a request from Professor William Griffith, Chair, Fiscal Planning & Budgeting Committee, to jointly request information on Athletic budgets from the university administration. This will be a topic for the next meeting of the committee in a few weeks.

Respectfully submitted by the Committee Chair
Bernard Mergen

EDUCATIONAL POLICY COMMITTEE
PROGRESS REPORT #2
February 1, 2002

The major task of the Educational Policy Committee this year has been to begin the process of formulating a list of "best practices" regarding Tenure and Promotion. We have met three times this academic year (Oct 8, 2001, Nov 11, 2001, and January 29, 2002).

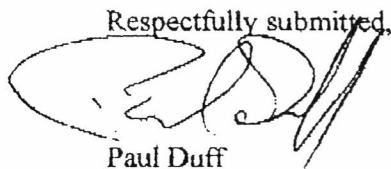
At the beginning of the year we gathered and examined the Tenure and Promotion Policies of the various GW schools. We also looked at the by-laws of selected departments in CCAS.

We discovered that there is great diversity in the articulation of criteria for tenure and promotion across schools and also across departments in CCAS. In the case of CCAS Departments, such criteria do not always line up with those of the College. Additionally, College/School criteria are not always consistent with the Faculty Code.

We have recently begun soliciting by-laws from departments in other schools and hope to have many of those in hand soon.

Thus far, much of our meeting time has been taken up by asking questions and weighing the strengths and weaknesses of the policies found in the by-laws of the Schools/Colleges and the Departments.

Respectfully submitted,



Paul Duff
Chair

George Washington University

Faculty Senate

Faculty Senate Committee of Physical Facilities

Interim Report

The committee has focused its attention on the trends and projections of space utilization on campus, by category of space application, e.g., classroom, administrative, etc. A report is in process.

Other issues under investigation include:

- a) the possible use of a single point of contact to report any matter concerning facilities,
- b) projected use of selected buildings, and
- c) computer security.

Respectfully submitted.

Sal Divita

Chair, Committee on Physical Facilities

February 8, 2002

INTERIM REPORT OF THE FACULTY SENATE COMMITTEE ON RESEARCH

ACADEMIC YEAR 2001-2002

In the fall semester 2001, the Research Committee of the Faculty Senate responded to the GNU Strategic Plan for Research 2001-2002 that had been adopted by the University Advisory Council on Research in May 2001. The Committee on Research discussed the plan at some length and responded directly to VP Carol Sideman, an ex officio member of our committee.

The following comments and concerns were expressed by members of the committee:

1. Noting excerpts from the progress report on research at GNU, we noted the following markers: GNU is now among the top 100 in federal R & D research expenditures; the university moved from Carnegie Research II to the Doctoral/Research University-Extensive category in 2000; since 1995, research expenditures have more than doubled university-wide; indirect cost recoveries increased markedly from FY00 to FY01; more faculty and students are currently involved in research than at any prior time.
2. Concern was expressed about the following: the infrastructure for research support at the university is less than adequate; the percent of indirect costs returned to the schools needs to be increased; University Facilitating Funds should be high enough per award to encourage the submission of proposals; total UFF awards should be increased; course release is essential for research active faculty; total support for research by the university must be strong enough to attract strong researchers with good track records of external funding.

Carol Hoare, Chair
Faculty Senate Committee on Research

Interim Report, Joint Committee of Faculty and Students

February 8, 2002

The JCFS has met four times so far this academic year, and will meet at least twice more.

At today's meeting, the JCFS approved a revised resolution modifying the Code of Academic Integrity, which we hope will come before the Faculty Senate at its next meeting.

We have also endorsed the procedures and calendar for the selection of nominees for this year's GW Award, and approved the list of individuals nominated to serve on the selections committee. We will ask the members of that committee to report on the workings of their committee, as next year the JCFS would like to take a fresh look at the procedures for this important award. The possibility exists that through a slightly larger committee, for instance, a wider range of campus insight might be brought to bear on the selection.

Two further matters have been the focus of the JCFS this year; namely, the question of student assessment of faculty teaching, currently collected via two separately-distributed surveys. The Student Association has proposed linking their "Academic Update" to the teaching assessment surveys distributed by each department. Our ongoing discussions may result in another resolution coming to the Senate at its next meeting.

Finally, the JCFS has begun to address the question of revisions to the Code of Student Conduct. We anticipate an initial inquiry into the scope of problems and proposed remedies arising from the Student Association at our next meeting, and hope to lay the groundwork for next year's JCFS which will undoubtedly have to grapple with this topic.

Submitted for the Committee by David McAleavey, Faculty Co-Chair

REPORT OF THE EXECUTIVE COMMITTEE

February 8, 2002
Lilien F. Robinson, Chair

I. UPCOMING MATTERS

1. At the March 8th Senate meeting, there will be an election of the Nominating Committee to propose a slate of nominees to serve on the Executive Committee for the 2002-03 academic year.
2. Also at the March 8th meeting, interim Dean Richard Southby will be presenting a report on the School of Public Health and Health Services, and Dean Roger Whitaker will report on the College of Professional Studies and GW Learning Solutions. The annual report on Recruitment and Appointment of Women and Faculty of Color will be presented by Vice President Lehman at that meeting. Also anticipated is the presentation of a report from the Appointment, Salary, Promotion Committee on faculty and administration salaries.
3. The Executive Committee also anticipates receiving a resolution for the March meeting from the Committee on University and Urban Affairs with respect to the University's participation in the sponsoring of the annual DC Film festival, an established internationally recognized annual event.
4. Before the end of this Senate session, the Executive Committee hopes to be able to place on the agenda resolutions dealing with non-tenure accruing full-time faculty and part-time faculty. As has been reported, these matters are under consideration by the committees on Professional Ethics and Academic Freedom and Appointment, Salary, and Promotion.

II. OTHER MATTERS

1. As reported at the last meeting, the new deadline for submission of proposals to the Academic Excellence Committee is in effect and the Deans have been so advised. Additionally, at the invitation of Vice President Lehman I have attended meetings of the Committee which has been deliberating issues of procedure, such as recusal and voting and discussing topics such as academic expectations of GW students, writing requirements, and a 4x4 curriculum. My understanding is that the academic recommendations

the Committee makes will be placed before the appropriate school or schools, in accordance with our established procedures.

2. Because we have received the results of the election of Faculty Senate representative from only one of the schools, please remind the Deans that we need the election results prior to March 15.

III. ANNOUNCEMENTS

1. Please be reminded that the forms for service to the Faculty Senate Standing Committees and Administrative Standing Committees were sent to all faculty members last week. Please urge your colleagues to volunteer as their participation is vital if we are to sustain our tradition of shared governance. Our newer colleagues, in particular, need to be drawn into the larger University and broader academic concerns than those of a department or a single school.
2. The next meeting of the Executive Committee is scheduled for February 22nd. Resolutions, reports, or any other items you wish to propose for the agenda should reach the Executive Committee prior to that date for inclusion on the agenda for the March 8th meeting of the Senate.

THE GEORGE WASHINGTON UNIVERSITY
Washington, D.C.

The Faculty Senate

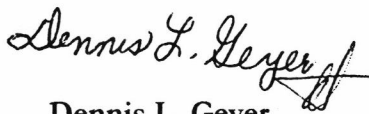
January 28, 2002

The Faculty Senate will meet on Friday, February 8, 2002, at 3:00 p.m. in the Alumni House, First Floor, 1925 F Street, N.W. (PLEASE NOTE CHANGE OF MEETING TIME)

AGENDA

1. Call to order
2. Approval of the minutes of the regular meeting of January 18, 2002, as distributed
3. Resolutions

A Resolution to Discontinue the Senate Standing Committee on Administrative Matters as They Affect the Faculty (01/5); Professor Lilien F. Robinson, Chair, Executive Committee of the Faculty Senate
4. Introduction of Resolutions
5. Report on the School of Engineering and Applied Science by Dean Timothy W. Tong
6. General Business:
 - a) Nomination for election of Professor Marilyn Liebrez-Himes to the Appointment, Salary, and Promotion Policies Committee
 - b) Report of the Executive Committee: Professor Lilien F. Robinson, Chair
 - c) Interim Reports of Senate Standing Committees
7. Brief Statements (and Questions)
8. Adjournment


Dennis L. Geyer
Secretary

**A RESOLUTION TO DISCONTINUE THE SENATE STANDING COMMITTEE ON
ADMINISTRATIVE MATTERS AS THEY AFFECT THE FACULTY (01/5)**

**WHEREAS, the University can best be served by an efficient and effective
committee structure; and**

**WHEREAS, the Committee on Administrative Matters as They Affect the
Faculty has been largely inactive during recent years and did
not issue annual reports during the 1999-2000 session and the
2000-2001 session; and**

**WHEREAS, the various aspects of its mission can be fulfilled effectively by other
standing committees of the Faculty Senate; NOW THEREFORE**

**BE IT RESOLVED BY THE FACULTY SENATE OF THE GEORGE
WASHINGTON UNIVERSITY**

- 1. That the Standing Committee on Administrative Matters as
They Affect the Faculty be discontinued; and**
- 2. That the Faculty Organization Plan, Section 10,
Standing Committees, of the Bylaws of the Faculty
Senate, be amended to delete the name of this Committee
from those listed in this Section.**

**Executive Committee of the Faculty Senate
February 8, 2002**

ADMINISTRATIVE STANDING COMMITTEES

February 1, 2002

THE GEORGE WASHINGTON UNIVERSITY
Washington, D.C.

TO: Members of the University Faculty Assembly

FROM: Lilien F. Robinson, Chair
Executive Committee of the Faculty Senate

RE: Appointments to Administrative Standing and Special
Committees for the Year 2002-03

At its April and May meetings the Faculty Senate will recommend faculty for presidential appointment to membership on certain Administrative Standing Committees listed below. When the Executive Committee meets in March, it will draw up a list of faculty nominees for approval by the Senate.

If you are interested in volunteering your services--and I urge you to give the matter serious consideration--please indicate your preferences and return this form to:

**FACULTY SENATE OFFICE
1918 F Street, N.W. #314**

BY MARCH 1, 2002

Administrative Committees:

Committee on the Judicial System
Committee on Student Publications
Committee on University Bookstore
Joint Committee of Faculty
and Students

Marvin Center Governing Board
Marvin Center Program Board
Panel for Student Grievance
Review Committees
University Hearing Board

Name _____ Department _____ Rank _____

E-mail address _____ Telephone _____

Currently serving on the Administrative Committee on: _____

Do you wish to be re-elected to this Committee? ____ Yes ____ No

I should like to serve on an Administrative Committee according to my preferences below:

(1st Choice) _____

(2nd Choice) _____

(3rd Choice) _____

I will be available for committee work
during the regular academic year ____ Yes ____ No

I prefer not to serve during 2002-03 ____

Thank you for your prompt consideration of this matter.

FACULTY SENATE STANDING COMMITTEES

February 1, 2002

THE GEORGE WASHINGTON UNIVERSITY
Washington, D.C.

TO: Members of the University Faculty Assembly

FROM: Lilien F. Robinson, Chair
Executive Committee of the Faculty Senate

RE: Call for Nominations for Election to Faculty Senate
Standing Committees, 2002-03 Session

In April, the newly-elected and incumbent Executive Committee of the Faculty Senate will meet jointly "to nominate the members and Chairs of the standing committees and special committees" of the Faculty Senate for the year 2002-03.

We have had an exceptionally strong record of effective shared governance. However, such success is dependent on the willingness of faculty to participate in the process. To that end, my colleagues and I urge you to volunteer for committee service by filling out this form and returning it to:

FACULTY SENATE OFFICE
1918 F Street, N.W., #314

BY MARCH 8, 2002

Faculty Senate Committees:

Administrative Matters as They Affect the Faculty	Faculty Development and Support
Admissions Policy, Enrollment Management and Student Financial Aid	Fiscal Planning and Budgeting
Appointment, Salary, and Promotion	Honors and Academic Convocations
Policies(including Fringe Benefits)	Libraries
Athletics and Recreation	Physical Facilities
Dispute Resolution Committee(3-year term)	Professional Ethics and Academic Freedom
Educational Policy	Research
	University and Urban Affairs

Name _____ Department _____ Rank _____

E-mail address _____ Telephone _____

Currently serving on the Senate Committee on: _____

Do you wish to be re-elected to this Committee? ____ Yes ____ No

I should like to serve on a Senate Committee according to my preferences below:

(1st Choice) _____

(2nd Choice) _____

(3rd Choice) _____

I would be willing to serve on this Committee for a ____ 1 year ____ 2 year term

I prefer not to serve during 2002-03 ____

Thank you for your prompt consideration of this matter

THE GEORGE WASHINGTON UNIVERSITY
Washington, D.C.

MINUTES OF THE REGULAR MEETING
OF THE FACULTY SENATE HELD ON
FEBRUARY 8, 2002, IN THE ALUMNI HOUSE

The meeting was called to order by Vice President Lehman at 3:15 p.m.

Present: Vice President Lehman, Registrar Geyer, Parliamentarian Pagel; Deans Futrell, Phillips, and Tong; Professors Divita, Glascock, Griffith, Gupta, Haque, Harrington, Hoare, Johnston, Maggs, McAleavey, Mergen, Robinson, Thornton, Wilmarth, Yezer, and Zaghoul

Absent: President Trachtenberg; Deans Folkerts, Harding, Southby, Williams and Young; Professors Castleberry, Cawley, Duff, Gallo, Kennedy, Miller, Nagy, Pelzman, Simon, and West

APPROVAL OF THE MINUTES

The Minutes of the regular Faculty Senate meeting held on January 18, 2002, were approved as distributed.

CHANGE IN THE ORDER OF THE AGENDA

Professor Robinson moved that the order of the Senate's agenda be changed in order to consider the Report on the School of Engineering and Applied Science as the next item of business. The motion was seconded, and passed.

REPORT ON THE SCHOOL OF ENGINEERING & APPLIED SCIENCE

Dean Timothy W. Tong began his presentation by observing that this was his fourth semester at GW and that he was finding his work at the University most enjoyable. During his first year at GW, Dean Tong said that he had met with every faculty member in the Engineering School so that he could learn as much as possible about the School, what faculty interests were, and what faculty wanted to accomplish. Turning to his slide presentation, Dean Tong told the Senate that the School has begun to develop plans for the future, and that it has a vision. First and foremost, he said, the School wants to offer engineering curricula that are relevant to the current interests of the world, and this involves working with all of the many stakeholders in the School to constantly review curricula and make sure the School is serving current interests. SEAS is also committed to continued improvements in its reputation, so that it will become known as the place to come to obtain ideas and knowledge for the support of technological advancement. Thirdly, he said, SEAS will continue to embrace partnerships, both internal and external, including a number of collaborations with the GW Medical School and the Business School. The Federal Aviation Administration, he added, has just awarded the School a major grant of \$3 million a year for the next 3 years for work in the area of airport security. This proposal, he said, was funded Engineering and the Business School

Changes approved 3/8/02

prior to the events of September 11th, so it shows that GW is positioned on the cutting edge of developments in this area.

Dean Tong continued, saying that SEAS was restructured just prior to his arrival at the University. The School now consists of five departments, and Dean Tong reviewed these along with the undergraduate and graduate degrees and programs associated with each. While many of the programs offered by SEAS are very typical of engineering schools at other universities, he said that one department that is not is the Department of Engineering Management and Systems Engineering. This makes sense for GW, he added, because many of the students in this department are working professionals pursuing an advanced degree in order to further their careers.

Dean Tong noted that although SEAS is a small School, the enrollment is strong, healthy, and growing. For example, he said, the freshman class increased 40% compared to the previous year, and that is due to hard work by faculty, alumni, and present students in recruiting activities, as well as the restructuring of a number of scholarships offered to better serve the needs of students enrolling in the School.

In terms of interdisciplinary programs, SEAS currently operates two joint programs with two other schools. There are currently 25 students enrolled in the Engineering and Law program, and there are 8 students in the Engineering and Medicine program. A new Bachelor of Science program has just been approved by the Board of Trustees at its February meeting, he added, and recruitment is poised to begin for that program right away.

Dean Tong then took a few moments to discuss student accomplishments, which he said were a particular source of pride for the School. Quite a number of student projects, both at the undergraduate and graduate levels, involve competitions against other engineering schools. The Senate might recall, he said, a solar car project a few years ago, in which students won the world championship in the competition. Recently, students converted a full-size Sport Utility Vehicle donated by the General Motors corporation from gasoline to hybrid gasoline/electrical power. Last year the students made the vehicle fully operational and took it to Detroit to compete against other universities.

Under the guidance of Professor Haque, a member of the Senate and faculty adviser to the project, students have also built a bridge which won first place in last year's regional contest, and thus went on to compete in the national competition. The model bridge, he added, is on view in Tompkins Hall.

SEAS also has established a number of International Programs, one of which is an active partnership with Bogazici University in Turkey which has just graduated its first class in the area of telecommunications and computers. Students in this program take half of

their coursework in Turkey, and come to GW to finish the second half. Dean Tong also said that he had just returned from Taiwan, where a program to offer a Master's degree to 30 Taiwanese Air Force Officers has been established. GW successfully competed against Texas A & M University to establish this program, which will enable the students to come to Washington fifteen months from now for their graduation.

Dean Tong also reported that discussions are underway with the National Vietnam University to set up a program where undergraduate students can come to GW and complete the last two years of their program and earn a GW degree. In addition, with the People's Republic of China's entry into the World Trade Organization, there is a need in that country to provide better educational opportunities, and GW is exploring the possibility of offering programs there.

Of particular relevance to current needs is the issue of computer security, and Dean Tong reported that SEAS has just started a graduate-level certificate program comprised of six courses in this area. Students who obtain this certificate will be able to transfer all of the credits obtained in this program to a Master's degree if they wish. Also, he continued, the Department of Electrical and Computer Engineering (ECE) has a long history of offering advanced or accelerated Master's Degree programs in Telecommunications and Computers. Professor Harrington, a Senate member, is the Director of this program at the Virginia Campus, and this year will mark the eleventh cohort of that program.

In terms of Research, SEAS has established a partnership with America Online, deemed the "GW-AOL partnership, Home of the 21st Century." Professor Zaghloul, a member of the Senate, is a Principal Investigator for this project, for which a laboratory at the Virginia campus has been built to simulate the home environment. Twenty-five students and eight professors are working on various projects and developing different ways to improve internet delivery of information. Within two to three years, Dean Tong said, he was confident that AOL subscribers will see technology that GW students and professors have helped to develop. Also of interest, he continued, is GW's well-known National Crash Analysis Center, which brings in close to \$2 million annually in research contracts and grants. Dean Tong added that SEAS has recently been notified that a gift of \$5 million from a major auto company has been pledged to support Transportation Safety research there. This is a significant gift, he added, since that makes SEAS one of three Schools at GW that has met or exceeded its Centuries Campaign goal.

Finally, Dean Tong briefed the Senate on the Engineering "shake table" which enables researchers to reproduce the motion of earthquakes and study their effects. This table, which measures three by three meters has six degrees of freedom, and is the best such device in the Eastern hemisphere. Another promising area of research is in the area of Biomedical Engineering. Dean Tong then demonstrated a portable ultrasound device based on the Doppler principle, which allows a probe to measure arterial blood flow. The device was developed by a GW professor, and can be used by doctors to determine how likely it is that a patient will suffer a stroke. While this sort of measurement can be made in

a hospital, he added, the portable machine is far less expensive, costing a few thousand dollars, as opposed to several hundred thousand for the hospital machines. Dean Tong said the first royalty check for the device has been delivered to GW, and that he was looking forward to receiving it. Dean Tong then thanked the Senate for its attention and entertained questions about his Report. (The Report is attached to these Minutes.)

3/8/02 Professor Gupta asked if the ultrasound device just demonstrated could be connected and information transmitted online. Dean Tong replied that as presently designed, it could not, but that Professor ~~Gupta~~ ^{GVO}, who developed the machine, was working on two or three other projects in telemedicine that would have such capabilities.

Professor Wilmarth asked what the breakdown was between domestic and international students. Dean Tong said that at the undergraduate level, about 20% of the students were international students, and at the graduate level it was approximately 30%, so that overall the enrollment stood at approximately 70% domestic students, and 30% international students.

3/8/02 Professor Griffith noted that SEAS presently enrolls 495 undergraduate students, and he asked what the School's target population ultimately would be. Dean Tong responded that the goal for the School would be 700 undergraduate students, and ~~the goal for next~~ ^a year's freshman class is 200 students. Professor Griffith then observed that the School presently enrolls approximately 900 Master's students, and 400 Doctoral students, and he asked if the School was at capacity in these areas. Dean Tong said that one of the School's goals was to grow research projects to \$20 million per year, and thus he expected the graduate program to grow accordingly.

Professor Mergen asked about the School's level of funding for graduate students, and Dean Tong responded that most of the Master's degree students are not funded, but that he would guess that at least one-third to one-half of the Doctoral students are funded, some with full support, and some with partial support.

RESOLUTIONS

I. RESOLUTION 01/5, "A RESOLUTION TO DISCONTINUE THE SENATE STANDING COMMITTEE ON ADMINISTRATIVE MATTERS AS THEY AFFECT THE FACULTY"

Professor Robinson introduced Resolution 01/5 by assuring the Senate that the decision to propose dissolution of this Senate Standing Committee had not been reached in haste, but rather, had been discussed over the past several years. While the Committee has done significant work in the past, she said, in recent years the number of people volunteering for service on Senate Committees has decreased, and last year three were no